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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

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Sheet

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of

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Complete If Known

Application Number	10/678,741
Filing Date	October 3, 2003
First Named Inventor	Hassan Mostafavi
Art Unit	Not Yet Assigned
Examiner Name	Not Yet Assigned
Attorney Docket Number	VM7012094003

U.S. PATENT DOCUMENTS

Examiner Initials *	Cite No. ^	Document Number Number - Kind Code^ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
AA	US-3,861,807		01/21/75	Lescrenier	
AB	US-3,871,360		03/18/75	Van Horn et al.	
AC	US-3,952,201		04/20/76	Hounsfieeld	
AD	US-4,031,884		06/28/77	Henzel	
AE	US-4,262,306		04/14/81	Renner	
AF	US-4,463,425		07/31/84	Hirano et al.	
AG	US-4,494,965		02/19/91	Crawford et al.	
AH	US-5,080,100		01/14/92	Trotel	
AI	US-5,271,055		12/14/93	Hsieh et al.	
AJ	US-5,279,309		01/18/94	Taylor et al.	
AK	US-5,295,483		03/22/94	Nowacki et al.	
AL	US-5,315,830		05/24/94	Sturm et al.	
AM	US-5,389,101		02/14/95	Heilbrun et al.	
AN	US-5,394,875		03/07/95	Lewis et al.	
AO	US-5,446,548		08/29/95	Geng et al.	
AP	US-5,538,494		07/23/96	Matsuda	
AQ	US-5,582,182		12/10/96	Hillsman	
AR	US-5,603,318		02/18/97	Heilbrun et al.	
AS	US-5,727,554		03/17/98	Kalend et al.	
AT	US-5,784,723		06/09/98	Weinberger et al.	
AU	US-5,784,431		07/21/98	Kalend et al.	
AV	US-5,823,192		10/20/98	Kalend et al.	
AW	US-5,836,954		11/17/98	Heilbrun et al.	
AX	US-5,954,647		09/21/99	Bova et al.	
AY	US-6,138,302		10/31/00	Sashin et al.	
AZ	US-6,146,390		11/14/00	Heilbrun et al.	
BA	US-6,165,181		12/26/00	Heilbrun et al.	
BB	US-6,185,445B1		02/06/01	Knüttel	
BC	US-6,185,446B1		02/06/01	Carlsen, Jr.	
BD	US-6,198,959B1		03/06/01	Wang	
BE	US-6,370,217B1		04/09/02	Hu et al.	
BF	US-6,621,889B1		09/16/03	Mostafavi	
BG	2002/0023652 A1		02/28/02	Riazat et al.	
BH	2003/0007593 A1		01/09/03	Heuscher et al.	

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Attorney Docket Number	VM7012094003

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		Number - Kind Code² (if known)			
	BI	2003/0063282 A1	04/03/03	Mostafavi	
	BJ	2003/0072419 A1	04/17/03	Bruder et al.	

FOREIGN PATENT DOCUMENTS

Examiner Initials *	Cite No.¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T⁴
		Country Code³ - Number⁴ - Kind Code⁵ (if known)				
	BK	DE 43 41 324 A 1	06/08/95	Germany		
	BL	79458	09/29/89	Finland		
	BM	WO 98/16151	04/23/98	PCT		

NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No.¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T²
	BN	Peltola, Seppo M.Sc.; "Gated Radiotherapy To Compensate For Patient Breathing"; <i>Proceedings of the Eleventh Varian Users Meeting</i> ; Macro Island, Florida; May 11-13, 1986.	
	BO	Mah, Katherine, et al.; "Time Varying Does Due To Respiratory Motion During Radiation Therapy Of The Thorax"; <i>Proceedings of the Eighth Int'l Conference on the Use of Computers in Radiation Therapy</i> ; Toronto, Canada; July 9-12, 1984; pp. 294-298.	
	BP	Mori, Masayuki, et al.; "Accurate Contiguous Sections Without Breath-Holding On Chest CT: Value of Respiratory Gating and Ultrafast CT"; <i>AJR</i> ; 162, May 1994; pp. 1057-1062.	
	BQ	Robinson, Terry E., et al.; "Standardized High-Resolution CT of the Lung Using A Spirometer-Triggered Electron Beam CT Scanner"; <i>AJR</i> ; 172; June 1999; pp. 1636-1638.	
	BR	Luker, Gary D., et al.; "Ghosting of Pulmonary Nodules With Respiratory Motion: Comparison of Helical and Conventional CT Using an In Vitro Pediatric Model"; <i>AJR</i> ; 167, November 1996; pp. 1189-1193.	
	BS	Li, Debiao, et al.; "Coronary Arteries: Three-dimensional MR Imaging With Retrospective Respiratory Gating"; <i>Radiology</i> ; December 1996; Vol. 201; No. 3; pp. 857-863.	
	BT	Kachelriess, Marc, et al.; "Electrocardiogram-correlated Image Reconstruction From Subsecond Spiral Computed Tomography Scans Of The Heart"; <i>Med. Phys.</i> 25(12); December 1998; pp. 2417-2431.	

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	BU	Tada, Takuhito, et al.; "Lung Cancer: Intermittent Irradiation Synchronized With Respiratory Motion-Results Of A Pilot Study"; <i>Radiology</i> , June, 1998; Vol. 207, No. 3, pp. 779-783.
	BV	Solberg, Timothy D., et al.; "Feasibility of Gated IMRT"; 3 pps.
	BW	Wong, John W., et al.; "The Use Of Active Breathing Control (ABC) To Reduce Margin For Breathing Motion"; <i>Int. J. Radiation Oncology Biol. Phys.</i> ; 1999; Vol. 44; No. 4; pp. 911-919.
	BX	Mageras, Gig, et al.; "Initial Clinical Evaluation Of A Respiratory Gating Radiotherapy System"; <i>Dept. of Medical Physics, Memorial Sloan-Kettering Cancer Center</i> , New York; 4 pps.
	BY	Yorke, Ellen, et al.; "Respiratory Gating Of Sliding Window IMRT"; <i>Dept. of Medical Physics, Memorial Sloan-Kettering Cancer Center</i> , New York; 4 pps.
	CA	Keatley, Eric, et al.; "Computer Automated Diaphragm Motion Quantification in a Fluoroscopic Movie"; <i>Dept. of Medical Physics, Memorial Sloan-Kettering Cancer Center</i> , New York; 3 pps.
	CB	Kubo, H. Dale, et al.; "Breathing-Synchronized Radiotherapy Program at the University of California Davis Cancer Center"; <i>Med. Phys.</i> 27(2), February 2000, pp. 346-353.
	CC	Iwasawa, Tae, et al.; "Normal in-Plane Respiratory Motion of the Bilateral Hemidiaphragms Evaluated By Sequentially Subtracted Fast Magnetic Resonance Images"; <i>Journal of Thoracic Imaging</i> , 1999; Vol. 14, No. 2; pp. 130-134.
	CD	Kim, W.S., et al.; "Extension of Cardiac and Respiratory Motion Cycles by Use of Projection Data and Its Applications to NMR Imaging"; <i>Magnetic Resonance in Medicine</i> 13, 1990, pp. 25-37.
	CE	Woodard, Pamela K., et al.; "Detection of Coronary Stenoses on Source and Projection Images Using Three-Dimensional MRI Angiography With Retrospective Respiratory Gating: Preliminary Experience"; <i>AJR</i> 170, April 1998; No. 4; pp. 883-888.
	CF	Sinkus, Ralph, et al.; "Motion Pattern Adapted Real-Time Respiratory Gating"; <i>Magnetic Resonance in Medicine</i> 41, 1999; pp. 146-155.
	CG	Weiger, Markus, et al.; "Motion-Adapted Gating Based on k-Space Weighting For Reduction of Respiratory Motion Artifacts"; <i>Magnetic Resonance in Medicine</i> 38, 1997; pp. 322-333.
	CH	Wang, Yi, et al.; "Implications For The Spatial Resolution in Coronary Imaging"; <i>Magnetic Resonance in Medicine</i> 33, 1995; pp. 713-719.
	CI	Ritchie, Cameron J., et al.; "Predictive Respiratory Gating: A New Method To Reduce Motion Artifacts on CT Scans"; <i>Radiology</i> , 1994, pp. 847-852; Vol. 190; No. 3.

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Art Unit	Not Yet Assigned
Examiner Name	Not Yet Assigned
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NON PATENT LITERATURE DOCUMENTS		
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	CJ	Kubo, H. Dale, et al.; "Potential and Role of a Prototype Amorphous Silicon Array Electronic Portal Imaging Device in Breathing Synchronized Radiotherapy"; <i>Med. Phys.</i> 26(11); November 1999, pp. 2410-2414.
	CK	Kubo, Hideo D., et al.; "Respiration Gated Radiotherapy Treatment: A Technical Study"; <i>Phys. Med. Biol.</i> (1996) Vol. 41; pp. 83-91.
	CL	J.M. Balter et al.; "Uncertainties In CT-Based Radiation Therapy Treatment Planning Associated With Patient Breathing"; <i>Int. J. Radiat. Oncol., Biol., Phys.</i> 36; pp. 167-174 (August 1996).
	CM	S.C. Davies et al.; "Ultrasound Quantification Of Respiratory Organ Motion in The Upper Abdomen"; <i>Br. J. Radiol.</i> 67; pp. 1096-1102 (November 1994).
	CN	R.L. Ehman et al.; "Magnetic Resonance Imaging With Respiratory Gating: Techniques and Advantages"; <i>Am. J. Roentgenol.</i> 143; pp. 1175-1182 (December 1984).
	CO	H. Frölich et al.; "A Simple Device For Breath-Level Monitoring During CT"; <i>Radiology</i> 156; p. 235 (July 1985).
	CP	R.M. Henkelman et al.; "How Important Is Breathing In Radiation Therapy Of The Thorax?"; <i>Int. J. Radiat. Oncol., Biol., Phys.</i> 8; pp. 2005-2010 (November 1982).
	CQ	M.B.M. Hofman et al.; "MRI Of Coronary Arteries: 2D Breath-Hold vs. 3D Respiratory-Gated Acquisition"; <i>J. of Comp. Assisted Tomography</i> 19; pp. 56-62 (Jan./Feb. 1995).
	CR	G.J. Kutcher et al.; "Control, Correction, and Modeling Of Setup Errors and Organ Motion"; <i>Semin. Radiat. Oncol.</i> 5; pp. 134-145 (April 1995).
	CS	J. Hanley et al.; "Deep Inspiration Breath-Hold Technique For Lung Tumors: The Potential Value of Target Immobilization And Reduced Lung Density In Dose Escalation"; <i>Int. J. Radiat. Oncol., Biol. Phys.</i> 45; pp. 603-611 (October 1999).
	CT	L.S. Johnson et al.; "Initial Clinical Experience With A Video-Based Patient Positioning System"; <i>Int. J. Radiat. Oncol., Biol. Phys.</i> 45; pp. 205-213; (August 1999).
	CU	H.W. Korin et al.; "Respiratory Kinematics Of The Upper Abdominal Organs: A Quantitative Study"; <i>Magn. Reson. Med.</i> 23; pp. 172-178 (January 1992).
	CV	H.D. Kubo et al.; "Respiration Gated Radiotherapy Treatment: A Technical Study"; <i>Phys. Med. Biol.</i> 41; pp. 83-91; (1996).
	CW	H.D. Kubo et al.; "Potential And Role Of A Prototype Amorphous Silicon Array Electronic Portal Imaging Device In Breathing Synchronized Radiotherapy"; <i>Med. Phys.</i> 26; pp. 2410-2414, (November 1999).

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	CX	C.E. Lewis et al.; "Comparison Of Respiratory Triggering And Gating Techniques For The Removal Of Respiratory Artifacts In MR Imaging"; Radiology 160, pp. 803-810, (September 1986).	
	CY	D. Li et al.; "Coronary Arteries: Three-Dimensional MR Imaging With Retrospective Respiratory Gating"; Radiology 201, pp. 857-863 (December 1996).	
	CZ	M.A. Moerland et al.; "The Influence Of Respiration Induced Motion Of The Kidneys On The Accuracy Of Radiotherapy Treatment Planning, A Magnetic Resonance Imaging Study"; Radiotherapy Oncol. 30, pp. 150-154 (1994).	
	DA	K. Ohara et al.; "Irradiation Synchronized With Respiration Gate"; Int. J. Radiat. Oncol., Biol. Phys. 17: pp. 853-857; (October 1989).	
	DB	J.N. Oshinski et al.; "Two-Dimensional Coronary MR Angiography Without Breath Holding"; Radiology 201; pp. 737-743; (December 1996).	
	DC	C.R. Ramsey et al.; "A Comparison Of Beam Characteristics For Gated And Nongated Clinical X-Ray Beams"; Med. Phys. 26; pp. 2086-2091; (October 1999).	
	DD	C.R. Ramsey et al.; "Clinical Efficacy Of Respiratory Gated Conformal Radiation Therapy"; Medical Dosimetry 24; pp. 115-119; (1999).	
	DE	F. Lethimonnier et al.; "Three-Dimensional Coronary Artery MR Imaging Using Prospective Real-Time Respiratory Navigator and Linear Phase Shift Processing: Comparison With Conventional Coronary Angiography"; Magn. Reson. Imaging 17, pp. 1111-1120; (1999).	
	DF	R.J. van Geuns et al.; "Magnetic Resonance Imaging Of The Coronary Arteries: Clinical Results From Three Dimensional Evaluation Of A Respiratory Gated Technique"; Heart 82; pp. 515-519; (October 1999).	
	DG	C.J. Ritchie et al.; "Predictive Respiratory Gating: A New Method To Reduce Motion Artifacts On CT Scans"; Radiology 190; pp. 847-852; (March 1994).	
	DH	R.D. Rogus et al.; "Accuracy Of A Photogrammetry-Based Patient Positioning and Monitoring System For Radiation Therapy"; Med. Phys. 26, pp. 721-728; (May 1999).	
	DI	K. Cho et al.; "Development Of Respiratory Gated Myocardial SPECT System"; J. Nucl. Cardiol. 6; pp. 20-28; (Jan/Feb 1999).	
	DJ	C.S. Ross et al.; "Analysis Of Movement Of Intrathoracic Neoplasms Using Ultrafast Computerized Tomography"; Int. J. Radiat. Oncol., Biol., Phys. 18; pp. 671-677; (March 1990).	
	DK	V.M. Runge et al.; "Respiratory Gating In Magnetic Resonance Imaging at 0.5 Tesla"; Radiology 151; pp. 521-523; (May 1984).	

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	DL	T.S. Sachs et al.; "Real-Time Motion Detection In Spiral MRI Using Navigators", <i>Magn. Reson. Med.</i> 32; pp. 639-645; (November 1994).	
	DM	L.H. Schwartz et al.; "Kidney Mobility During Respiration"; <i>Radiat. Oncol.</i> 32; pp. 84-86; (1994).	
	DN	M. Paivansalo Suramo et al.; "Cranio-caudal Movements Of The Liver, Pancreas And Kidneys In Respiration", <i>Acta Radiol. Diagn.</i> 2; pp. 129-131; (1984).	
	DO	C.R. Ramsey et al.; "Clinical Efficacy Of Respiratory Gated Conformal Radiation Therapy"; <i>Med. Dosim.</i> 24; pp. 115-119; (1999).	
	DP	J.W. Wong et al.; "The Use Of Active Breathing Control (ABC) To Reduce Margin For Breathing Motion"; <i>Int. J. Radat. Oncol., Phys.</i> 44; pp. 911-919; (July 1999).	
	DQ	H.D. Kubo et al.; "Compatibility Of Varian 2100C Gated Operations With Enhanced Dynamic Wedge And IMRT Dose Delivery"; <i>Med. Phys.</i> 27; pp. 1732-1738; (August 2000).	
	DR	H. Shirato et al.; "Four-Dimensional Treatment Planning And Fluoroscopic Real-Time Tumor Tracking Radiotherapy For Moving Tumor"; <i>Int. J. Radat. Oncol., Biol., Phys.</i> 48; pp. 435-442; (September 2000).	
	DS	N.G. Bellinger et al.; "Left Ventricular Quantification In Heart Failure By Cardiovascular MR Using Prospective Respiratory Navigator Gating: Comparison With Breath-Hold Acquisition"; <i>J. Magn. Reson. Imaging</i> 11; pp. 411-417; (April 2000).	
	DT	Q. Yuan et al.; "Cardiac-Respiratory Gating Method For Magnetic Resonance Imaging Of The Heart"; <i>Magn. Reson. Med.</i> 43; pp. 314-318; (February 2000).	
	DU	K.E. Rosenzweig et al.; "The Deep Inspiration Breath Hold Technique In The Treatment Of Inoperable Non-Small Cell Lung Cancer"; <i>Int. J. Radat. Oncol., Biol., Phys.</i> 48; pp. 81-87; (August 2000).	
	DV	D. Mah et al.; "Technical Aspects Of The Deep Inspiration Breath Hold Technique In The Treatment Of Thoracic Cancer"; <i>Int. J. Radat. Oncol., Biol., Phys.</i> 48; pp. 1175-1185; (November 2000).	
	DW	G.S. Mageras et al.; "Respiratory Motion-Induced Treatment Uncertainties"; <i>Patras Medical Physics 99 - VI International Conference On Medical Physics</i> , Monduzzi Editore; pp. 33-39; (September 1999).	
	DX	G.S. Mageras; "Interventional Strategies For Reducing Respiratory-Induced Motion In External Beam Therapy"; <i>The Use of Computers In Radiation Therapy Xlith International Conference</i> , Heidelberg, Germany; pp. 514-516; (May 2000).	
	DY	S. Malone et al.; "Respiratory-Induced Prostate Motion: Quantification And Characterization"; <i>Int. J. Radat. Oncol., Biol., Phys.</i> 48; pp. 105-109; (August 2000).	

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7

of 7

Complete If Known

Application Number	10/678,741
Filing Date	October 3, 2003
First Named Inventor	Hassan Mostafavi
Art Unit	Not Yet Assigned
Examiner Name	Not Yet Assigned
Attorney Docket Number	VM7012094003

NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No. 1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	DZ	G. Mageras et al.; "Initial Clinical Evaluation Of A Respiratory Gating Radiotherapy System"; 22 nd Annual EMBS International Conference, Chicago, IL; pp. 2124-2127; (July 23-28, 2000).	
	EA	Ellen Yorke et al.; "Respiratory Gating Of Sliding Window IMRT"; 22 nd Annual EMBS International Conference, Chicago, IL; pp. 2118-2121; (July 23-28, 2000).	
	EB	Jolesz, Ferenc M.D., et al., "Image-Guided Procedures And The Operating Room Of The Future"; Radiology; SPL Technical Report #48; May 1997; 204:601-612.	

Examiner Signature	/John Ramirez/	Date Considered	07/24/2008
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